Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/10/2022 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124699	-1	1.32	124609	1.27
Blue	F	SSC	125000	122684	-2	2.41	123114	2.25
Blue	E	FITC	13602	13071	-4	2.35	366	13.43
Blue	D	PE	24891	24462	-2	1.83	579	10.70
Blue	B	PerCP-Cy5-5	33972	33091	-3	3.05	944	15.39
Blue	A	PE-Cy7	22865	22519	-2	5.13	468	30.56
Red	C	APC	47198	46232	-3	2.84	1593	11.22
Red	A	APC-Cy7	26454	25352	-5	3.41	714	12.12
Violet	B	V450	6737	6428	-5	3.67	447	11.33
Violet	A	V500	29317	27927	-5	3.30	953	8.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24232	2.37	539	4	N/A	N/A	Pass
Blue	F	SSC	55000	2.02	519	-2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	3	0.0441	108	Pass
Blue	D	PE	112	39.92	491	5	0.3919	317	Pass
Blue	B	PerCP-Cy5-5	147	42.15	583	4	0.0183	44	Pass
Blue	A	PE-Cy7	77	82.37	626	5	0.0227	9	Pass
Red	C	APC	334	25.88	571	-1	0.0309	271	Pass
Red	A	APC-Cy7	132	35.36	548	-3	0.0069	1742	Pass
Violet	B	V450	76	45.62	453	3	0.0554	1990	Pass
Violet	A	V500	112	28.36	472	3	0.0261	448	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.59	-31.30	0.98
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.66	13.90 - 20.86	N/A	N/A	29.68	29.89	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9845

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments